



50-Gbit/s AGC and modulator driver amplifier ICs based on InP/InGaAs HBT technology

Watanabe, K.; Hashimoto, M.; Kudo, H.; Uchiyama, H.; Ohta, H.; Uchi, K.; Takeyari, R.; Indium Phosphide and Related Materials, 2003. International Conference on , 12-16 May 2003
 Page(s): 370 -373

A 9 mW OFDM demodulator LSI for narrow-bandwidth ISDB-T

Fukuda, K.; Watanabe, K.; Ouchi, M.; Tokunaga, N.; Kamada, T.; Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on , 17-19 June 2003
 Page(s): 90 -91

Exoskeleton for human upper-limb motion support

Kiguchi, K.; Tanaka, T.; Watanabe, K.; Fukuda, T.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 2 , Sept. 14-19, 2003
 Page(s): 2206 -2211

New finishing system for metallic molds using a hybrid motion/force control

Nagata, F.; Watanabe, K.; Kusumoto, Y.; Tsuda, K.; Yasuda, K.; Yokoyama, K.; Mori, N.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 2 , Sept. 14-19, 2003
 Page(s): 2171 -2175

A common reference object concept to cooperative transportation

Xin Yang; Watanabe, K.; Izumi, K.; Kiguchi, K.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 1 , Sept. 14-19, 2003
 Page(s): 515 -520

Evolutionary acquisition of handstand from backward giant circle by a three-link rings gymnastic robot

Yamada, T.; Watanabe, K.; Kiguchi, K.; Robotics and Automation, 2003. Proceedings. ICRA '03. IEEE International Conference on , Volume: 1 , Sept. 14-19, 2003
 Page(s): 779 -784

Adaptive modular vector field control for robot contact tasks in uncertain environment

Saitoh, Y.; Zhiwei Luo; Watanabe, K.; Systems, Man and Cybernetics, 2003. IEEE International Conference on , Volume: 4 , Oct. 5-8, 2003
 Page(s): 3645 -3650

43Gb/s full-rate-clock 16:1 multiplexer and 1:16 demultiplexer with SFI-5 interface inSSGge BiCMOS technology

Koyama, A.; Harada, T.; Yamashita, H.; Takeyari, R.; Shiramizu, N.; Ishikawa, K.; Ito, M.; Suzuki, S.; Yamashita, T.; Yabuki, S.; Ando, H.; Aida, T.; Watanabe, K.; Ohhata, K.; Takeuchi, S.; Chiba, H.; Ito, A.; Yoshioaka, H.; Kubota, A.;

Solid-State Circuits Conference, 2003. Digest of Technical Papers. ISSCC. 2003 IEEE International , Feb. 9-13, 2003
Page(s) : 1 -10

An on-chip high speed serial communication method based on independent ring oscillators

Kimura, S.; Hayakawa, T.; Horiyama, T.; Nakanishi, M.; Watanabe, K.;
Solid-State Circuits Conference, 2003. Digest of Technical Papers. ISSCC. 2003 IEEE International , Feb. 9-13, 2003
Page(s) : 1 -8

Powder LSI: an ultra small RF identification chip for individual recognition applications

Usami, M.; Sato, A.; Sameshima, K.; Watanabe, K.; Yoshigi, H.; Imura, R.;
Solid-State Circuits Conference, 2003. Digest of Technical Papers. ISSCC. 2003 IEEE International , Feb. 9-13, 2003
Page(s) : 1 -10

Descending layers routing: a deadlock-free deterministic routing using virtual channels in system area networks with irregular topologies

Koibuchi, M.; Jouraku, A.; Watanabe, K.; Amano, H.;
Parallel Processing, 2003. Proceedings. 2003 International Conference on , 6-9 Oct. 2003
Page(s) : 527 -536

Self-hold, precisely controllable and low power consumption optical cross-connect switch using ultrasonic micro motors

Oohira, F.; Iwase, M.; Watanabe, K.; Ishimaru, I.; Hashiguchi, G.; Mihara, Y.; Iino, A.;
Optical MEMS, 2003 IEEE/LEOS International Conference on , 18-21 Aug. 2003
Page(s) : 147 -148

Embracing requirements variety for e-governments based on multiple product-lines frameworks

Aoyama, M.; Watanabe, K.; Yu Nishio; Moriwaki, Y.;
Requirements Engineering Conference, 2003. Proceedings. 11th IEEE International , 8-12 Sept. 2003
Page(s) : 285 -285

A seed selection procedure for LFSR-based random pattern generators

Ichino, K.; Watanabe, K.; Arai, M.; Fukumoto, S.; Iwasaki, K.;
Design Automation Conference, 2003. Proceedings of the ASP-DAC 2003. Asia and South Pacific , 21-24 Jan. 2003
Page(s) : 869 -874

VCDS tool demonstration [virtual core based design system]

Morizawa, R.K.; Tanaka, K.; Watanabe, K.; Kaitsu, Y.; Hanamura, S.; Shinsha, T.; Muraoka, M.;
Design Automation Conference, 2003. Proceedings of the ASP-DAC 2003. Asia and South Pacific , 21-24 Jan. 2003
Page(s) : 459